

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

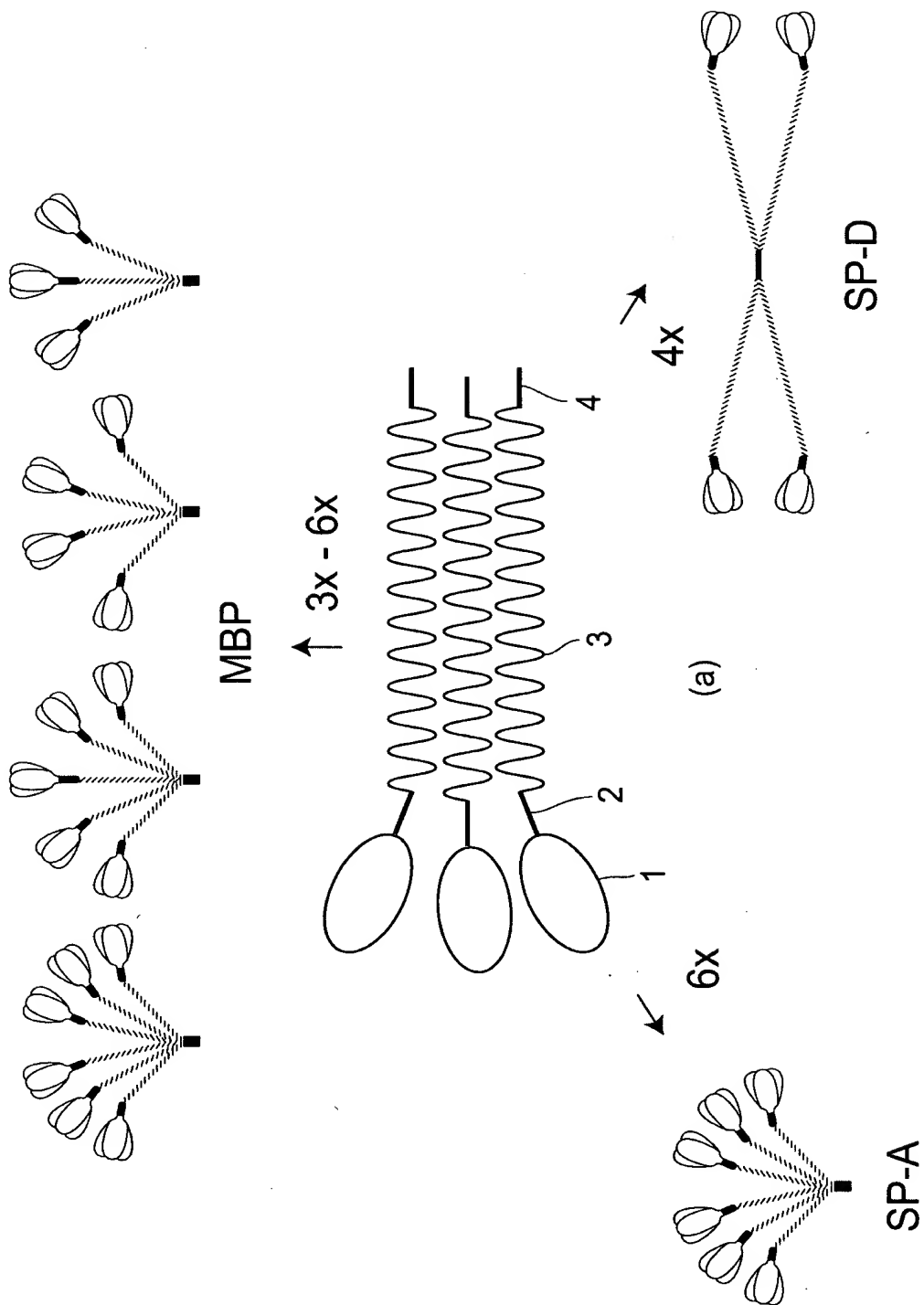


FIG.1



MBP [M][S][L][F][P][S]-[L][P][L][L][L][S][M][V][A][A][S][Y][S][E][T][V][T][C][E][D][A][Q][K][T]-[C][P][A][M][I][A][C][S][S]-[P][G][I][N][G][F][P][P][C][K][D][G][R][D][C][T][K][G][E][K][G][E][P][G]  
SP-A [M][W][L][Q][P][L][A][L][T][I][L][I][L][M][A]-[A][S][G][A][C][E][V][K][D][V][C][V]-[G][S][P][G]  
SP-D [M][L][L][F][L][L]-[S][A][L][V][L][L][T][Q]-[P][L][G][Y][L][E][A][E][M][K][T][Y][S][H][R][I][T][P][S][A][C][T][I][L][M]-[M][C][S][S][V][E][S][G][L][P][G][R][D][G][R][D][G][R][E][G][P][R][G][E][K][G][D][P][G] 70

-----  
IPGTPGSHGLPGRDGR-----DGVKGDPPGPPGMGPPG-----EMP-----  
LPGAAQAGMPGQAGPVGPKGDNGSVGEPGPKGDMGPGSGPPGPPGVPGPAGREGLGKQGNIGPQKGKPGP 140

-----  
QGLRGLQGP-----PGKLGPPCNPGPSGSPGPKGQK-----  
CPPGNGLPGAPGVPGE-----RCEKGEPPGERGPPGL-----  
KGEAGPKGEVGAPGMQGSAGARGLAGPKGERGVPGERGVPGNAGAAGSAGAMGPQGSPPGARGPGLKGDK 210

FIG. 2

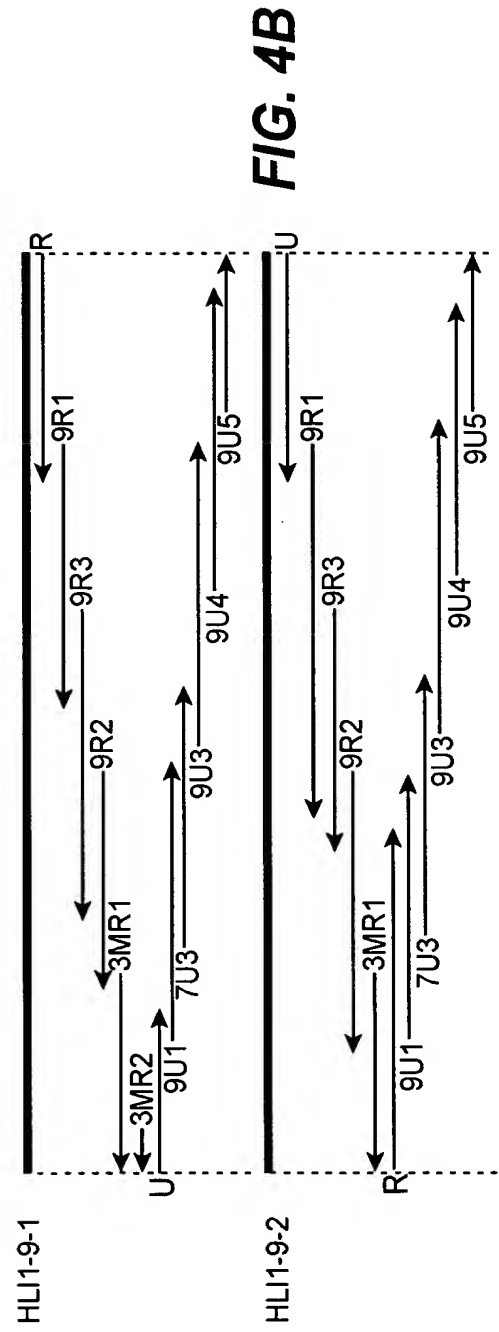
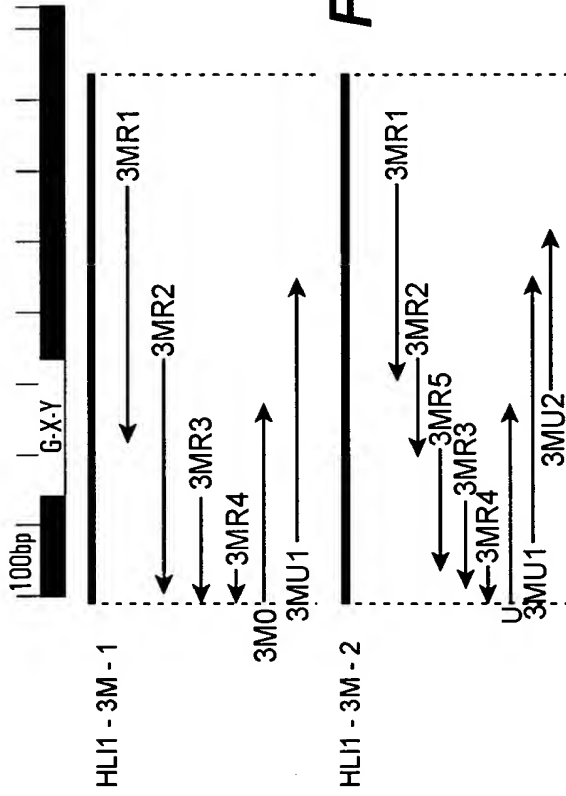


MBP [G]P[G]KSPD[G]SS[L]AA-----SERKALQTEMARIK[K]WLT[TF]SL[G]KQV[G]N[F]FLTNCEIMTFEKV  
SP-A --[P]AHLDEELQATLHD---FRH[Q]ILQTRGALS--LQGS I-----MTVGEKV[F]SSN[Q]SITFPDAI  
SP-D [G]IP[G]DKGAKGES[GL]PDVASLRQ[Q]VEALQ[Q]VQH[L]QA[AF]SQYK[K]VLE[FP]N[Q]QSVGEKIF[K]TAC[GF]VKPFTEA 280

KALCQVKFQASV[AT]PRNAAENGAIQ[N]LI---KE[EA]FLGI[TD]EKTEGQ[F]VDLTGNRLTYTNWNEGEPNNAGS  
QEA[CA]RAGGR[IA]VPRNPE[EN]EA[IA]SFVKKYNTYAVVGL[TE]GPS[PG]DFRYSDGCTPVNVTNNWYRGEPAGRG--  
QILCTQAGGQ[LA]SP[RS]AAENPAALQ[Q]LVAKNEA[AF]LSMTDSKTEGK[FT]YPTGESLVYSNMAPGEPND[DG]G 350

DEDCVLLLLKNGQWNDV[FC]ST[SH]LA[V]CEEPI\*  
KEQCVEMYTDGOWNDRNCLYSRLTICEF\*---  
SEDCVEIFTNGRWNDRA[CG]EKRLV[VC]EF\*---

FIG. 3



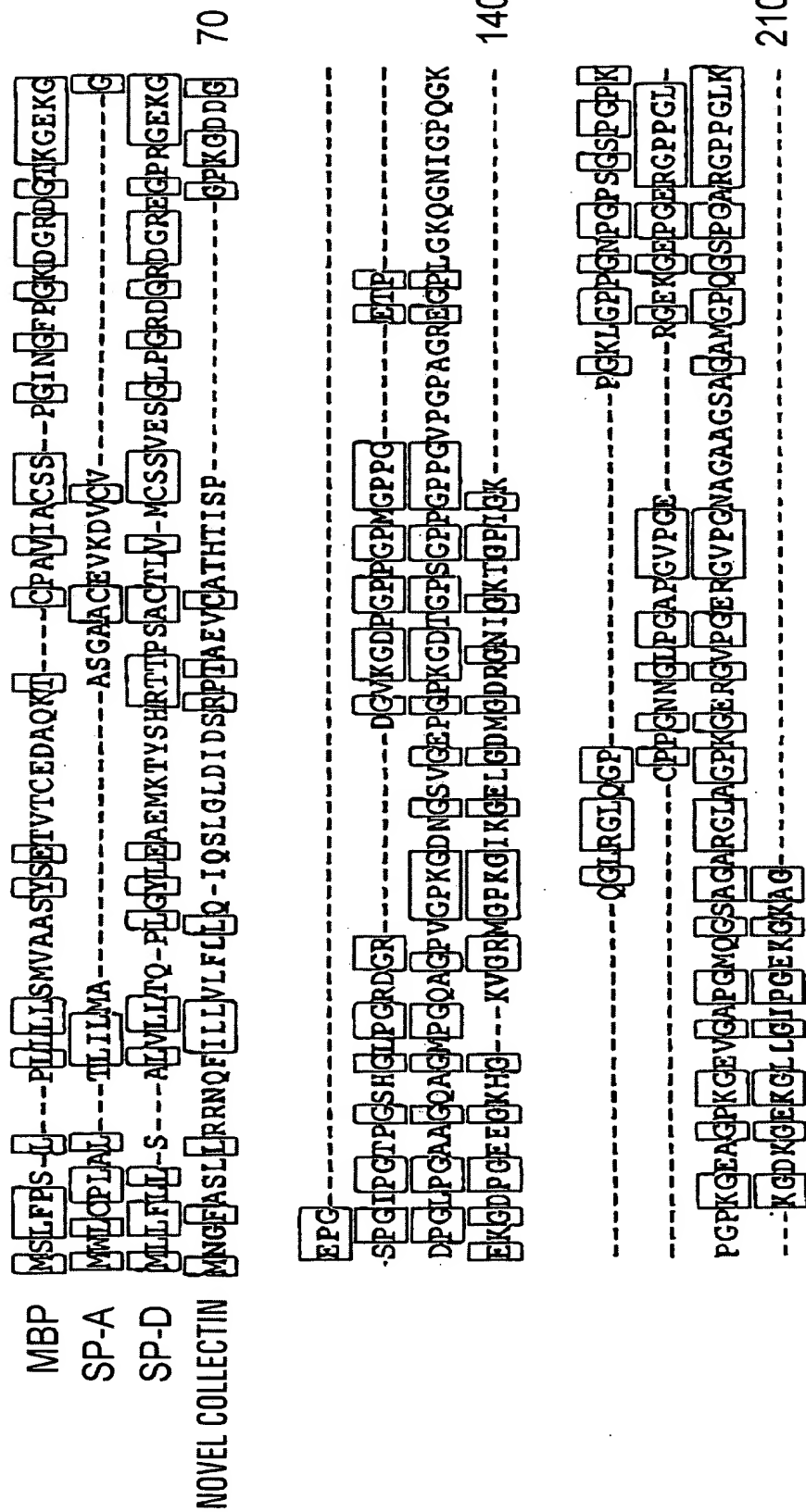


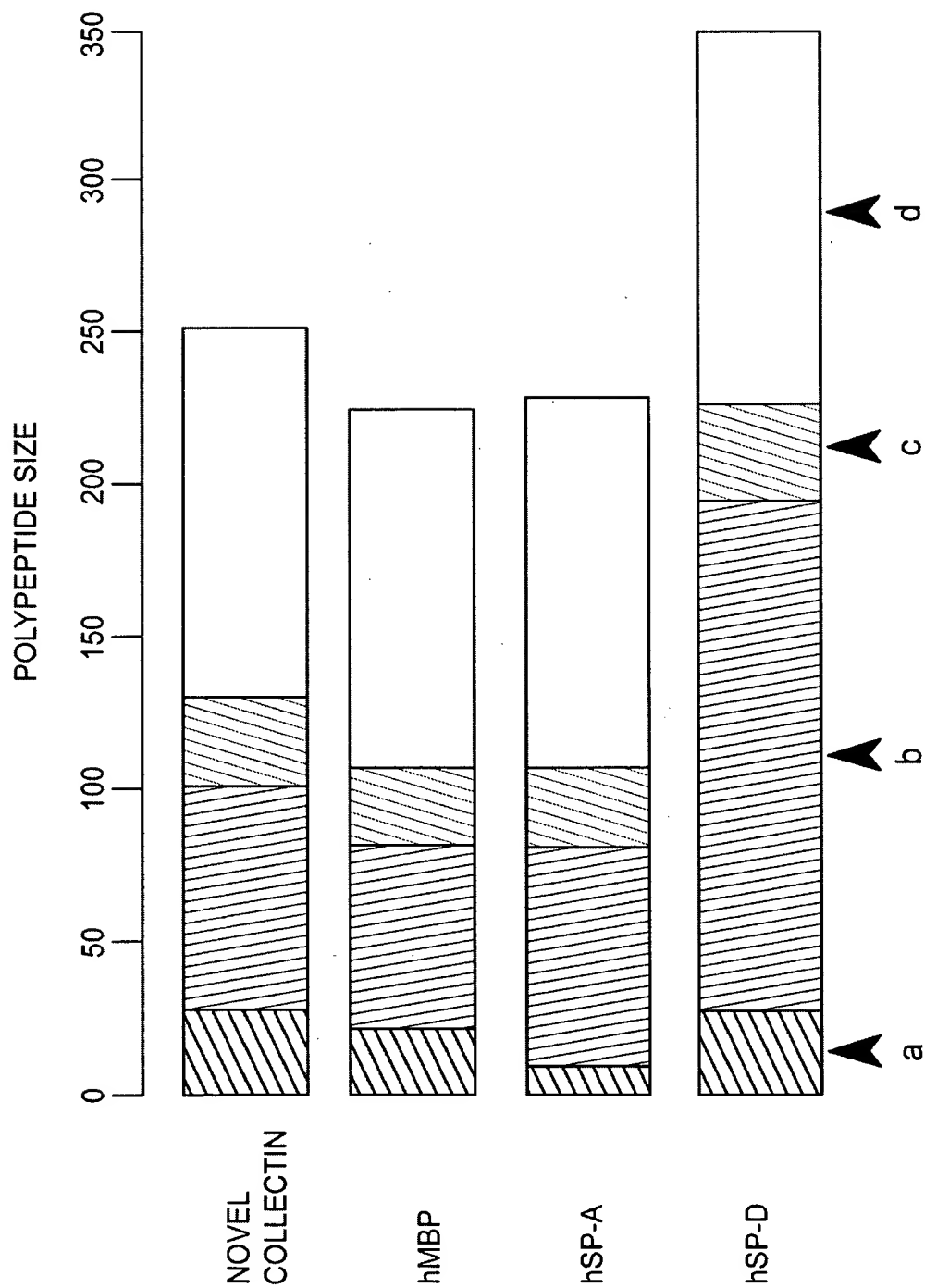
FIG. 5

MBP GOKGPG-KSPDGDSSIAA-----SERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTF  
SP-A-----PAHLDEELOATLHD-----FRHQILQTRGALS-LOGSI-----MTVGEKVFSNQSITTF  
SP-D GDKGIPGDKGAKGESGLPDVASIRQOVQALQGOVQHLQAASFQKKVLELFPNGOSVGENIFKTAGFVKPF  
NOVEL COLLECTIN-----TVCDGGRYRKFGQLDISIARLKTSMKFKVN--VIAGIRETEKFXVIVQEEKNY 280

EKVKALCVKFQASVATPRNAAENGAIQNL I---KEE-AFLGITDEKTEGQFVDLTGNRLT-YTNWNEGEP  
DAIQEACARAGRIAMPNPEENEAIASFVKKINTY-AIVGLTEGSPGDFRYSDCTPVN-YTNMYRGEF  
TEAQLCTQAGGQLASPRSAENNALQQLVVAKNEA-AFLSMTDSKTECKFTYPTGESLV-YSNWAPGEP  
RESLTHCPIRGOMLAMPKDEANLTIADYVAKSGFFRVFIGVNDLEREGQYMFDTNTPLONSYNWNEGEP 350

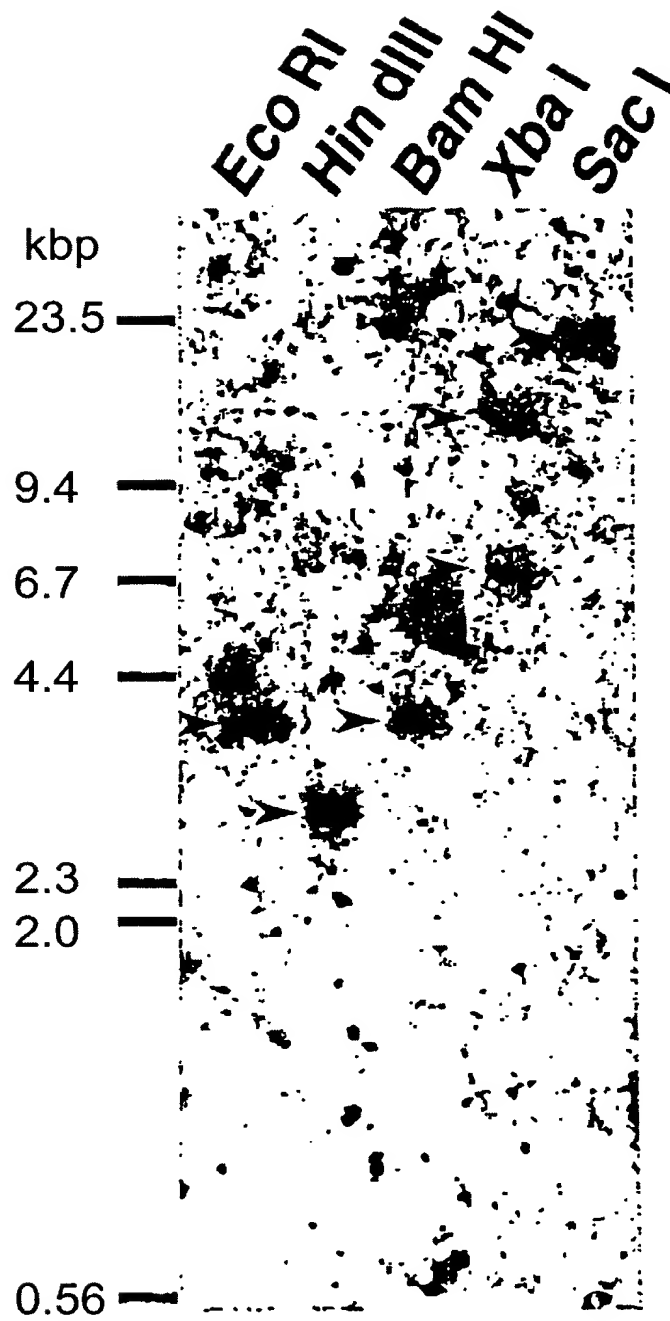
NNAGSDEDCVLLKNGQWNDVPCSTSHLAVCEFI\*---  
AGRG-KEQCVEMYIDGQWDRNCLYSRLTICEF\*-----  
NDDGGSSEDCVEIFTNCKWDRACGCKRLVUCEF\*-----  
SDPYGHEDCVEMLSGRWNTDTECHLTMYFVCEFTKKK\*

FIG. 6



**FIG. 7**

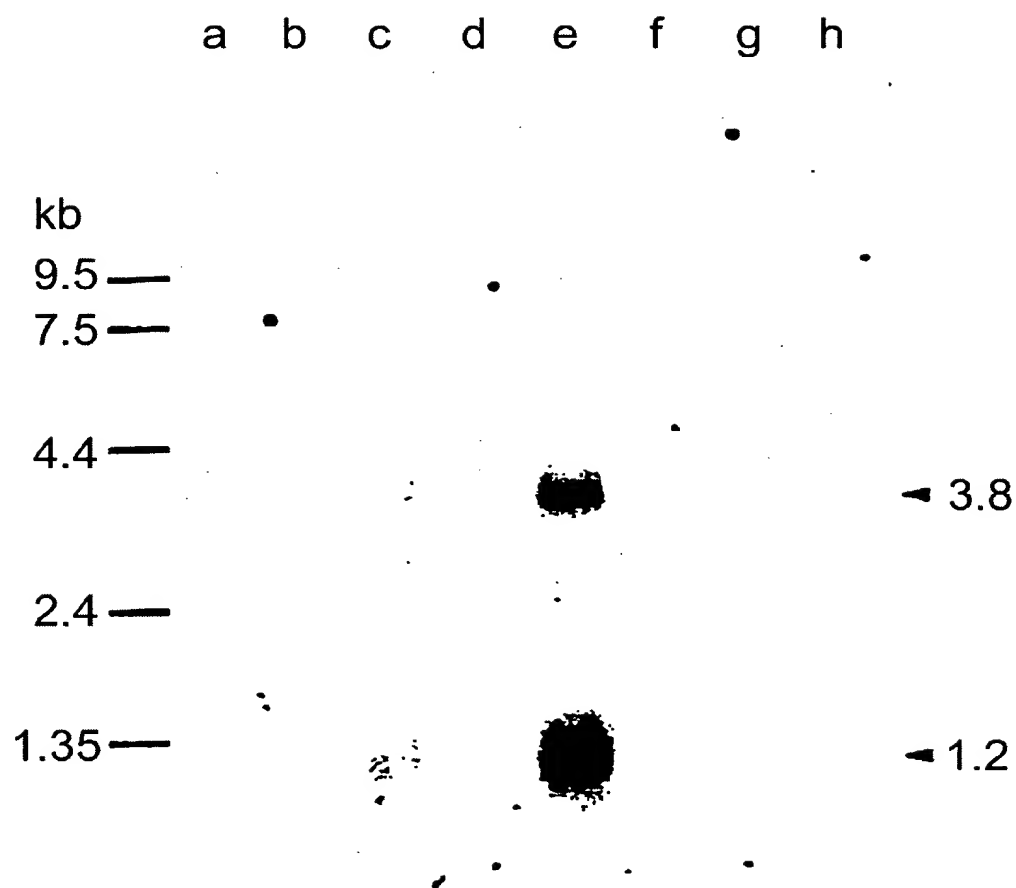




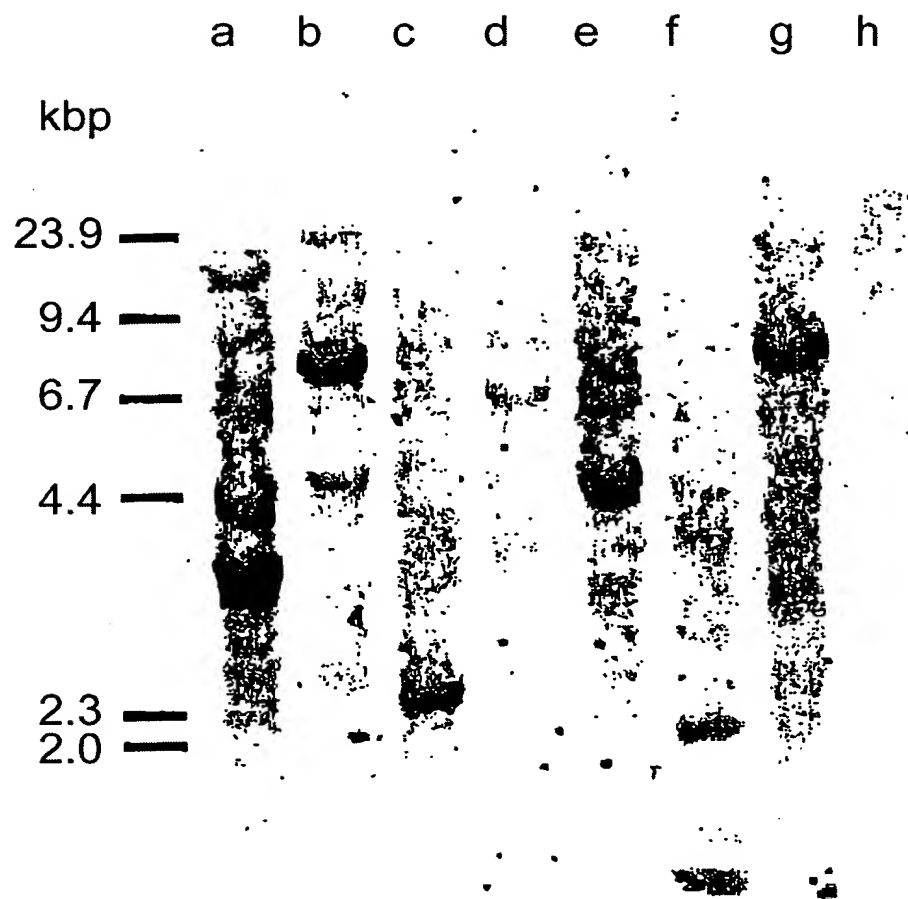
**FIG. 8**



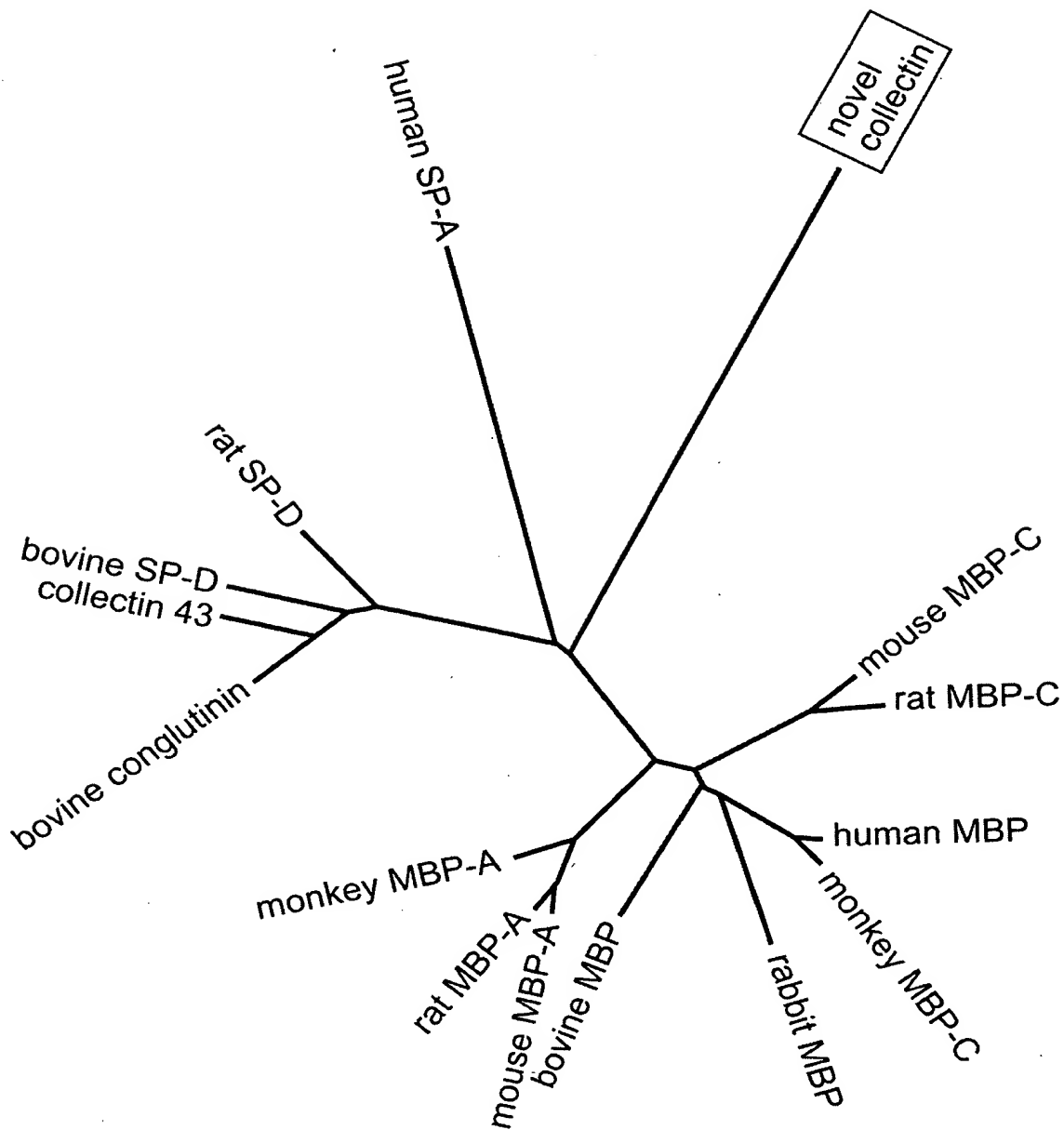
9 / 11



**FIG. 9**



**FIG. 10**



**FIG. 11**